
Nizkonapetostne naprave za zaščito pred prenapetostnimi udari - 41. del: Naprave za zaščito pred prenapetostnimi udari za nizkonapetostne DC napajalne sisteme - Zahteve in preskusne metode (IEC 61643-41:2025)

Low-voltage surge protective devices - Part 41: Surge protective devices connected to DC low-voltage power systems - Requirements and test methods (IEC 61643-41:2025)

Überspannungsschutzgeräte für Niederspannung – Teil 41: Überspannungsschutzgeräte für den Einsatz in Niederspannungs-Gleichstromnetzen - Anforderungen und Prüfverfahren (IEC 61643-41:2025)

Parafoudres basse tension - Partie 41: Parafoudres connectés aux réseaux basse tension en courant continu - Exigences et méthodes d'essai (IEC 61643-41:2025)

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ICS:

29.120.50	Varovalke in druga nadtokovna zaščita	Fuses and other overcurrent protection devices
29.240.10	Transformatorske postaje. Prenapetostni odvodniki	Substations. Surge arresters

SIST EN IEC 61643-41:2025

en

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 61643-41

August 2025

ICS 29.240.10

English Version

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devices connected to DC low-voltage power systems -
Requirements and test methods
(IEC 61643-41:2025)**

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Überspannungsschutzgeräte für den Einsatz in
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Prüfverfahren
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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 61643-41:2025 (E)**European foreword**

The text of document 37A/426/FDIS, future edition 1 of IEC 61643-41, prepared by SC 37A "Low-voltage surge protective devices" of IEC/TC 37 "Surge arresters" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61643-41:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-08-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-08-31 document have to be withdrawn

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document is read in conjunction with EN IEC 61643-01.

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of EN IEC 61643-41:2025/A11:2025.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

<https://standards.iteh.ai/catalog/standards/sist/c4520de3-69f5-4c2c-9917-c0958f6484df/sist-en-iec-61643-41-2025>

The text of the International Standard IEC 61643-41:2025 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 62368-1:2018	NOTE Approved as EN IEC 62368-1:2020 (not modified) + A11:2020
ISO 4892-1	NOTE Approved as EN ISO 4892-1
ISO 4892-2	NOTE Approved as EN ISO 4892-2



IEC 61643-41

Edition 1.0 2025-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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